Лабораторна робота №7

Розробка тестів з використанням фреймворка Mocha

jsLibraryMappings.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

  <component name="JavaScriptLibraryMappings">

    <includedPredefinedLibrary name="Node.js Core" />

  </component>

</project>

lab07.iml

<?xml version="1.0" encoding="UTF-8"?>

<module type="WEB\_MODULE" version="4">

  <component name="NewModuleRootManager">

    <content url="file://$MODULE\_DIR$">

      <excludeFolder url="file://$MODULE\_DIR$/.tmp" />

      <excludeFolder url="file://$MODULE\_DIR$/temp" />

      <excludeFolder url="file://$MODULE\_DIR$/tmp" />

    </content>

    <orderEntry type="inheritedJdk" />

    <orderEntry type="sourceFolder" forTests="false" />

  </component>

</module>

modules.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

  <component name="ProjectModuleManager">

    <modules>

      <module fileurl="file://$PROJECT\_DIR$/.idea/lab07.iml" filepath="$PROJECT\_DIR$/.idea/lab07.iml" />

    </modules>

  </component>

</project>

vcs.xml

<?xml version="1.0" encoding="UTF-8"?>

<project version="4">

  <component name="VcsDirectoryMappings">

    <mapping directory="$PROJECT\_DIR$/.." vcs="Git" />

  </component>

</project>

factorial.test.js

const assert = require('assert');

const factorial = require('../factorial.js');

describe('factorial', function () {

    it("test 1", () => assert.equal(factorial(5), 120))

    it("test 2", () => assert.equal(factorial(6), 720))

    it("Zero", () => assert.equal(factorial(0), 1))

    it("Negative number", () => assert.equal(factorial(-5), null))

    it("Negative number", () => assert.equal(factorial(-6), null))

});

factorial.js

module.exports = function factorial(n){

    if(n < 0)

        return null;

    if(n === 0)

        return 1;

    let counter = 1;

    for(let i = 1; i <= n; i++)

        counter \*= i;

    return counter;

}

package.json

{

    "name": "lab07",

    "version": "1.0.0",

    "description": "",

    "main": "index.js",

    "scripts": {

      "test": "mocha"

    },

    "keywords": [],

    "author": "",

    "license": "ISC",

    "devDependencies": {

      "mocha": "^10.4.0"

    }

  }

Результат:

